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### (54) Lifesaving floatation and breathing device

(57) This lifesaving floatation and breathing device (20) comprises first (22) and second (24) inflatable bags having similar bag volumes, and a mouthpiece (26) communicating with both bags. A pressurized gas cylinder (30) filled with breathable gas is mounted to one of the bags. This pressurized gas cylinder (30) has a gas volume and a gas pressure therein. The device also has an inflator mechanism (32) mounted thereto for transferring the breathable gas from the pressurized gas cylinder (30) into one of the bags. One of the characteristics of the device is that the volume of each bag is a mathematical product of the gas volume inside the cylinder and a ratio of the gas pressure inside the cylinder over atmospheric pressure. Either bags can accept the full content of the cylinder at atmospheric pressure, thereby obviating the need for a pressure regulator or flow control orifice therein.

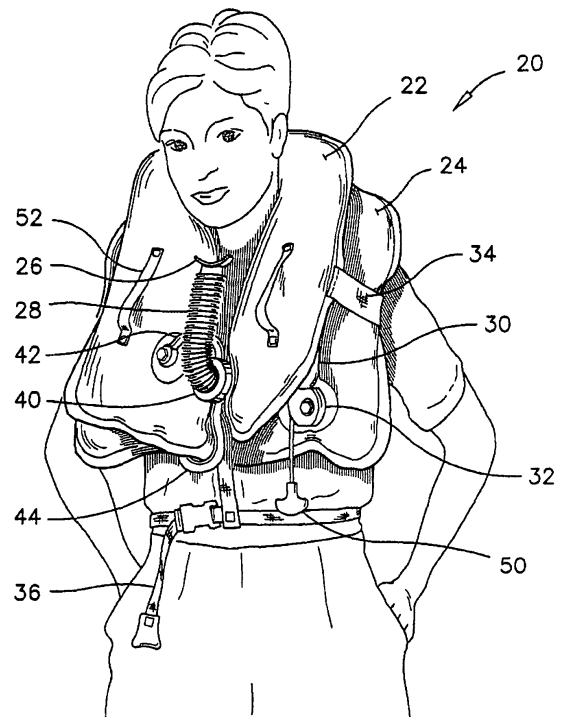


FIG. 1

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# EUROPEAN SEARCH REPORT

Application Number  
EP 05 07 6525

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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D,A	US 3 877 425 A (O'NEILL ET AL) 15 April 1975 (1975-04-15) * column 6, line 53 - column 9, line 5; figures 1,8a,8b,9 *	1,9-12, 15-17	
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A	FR 1 577 373 A (GEORGE GUTMAN ET GEORGE JACQ) 8 August 1969 (1969-08-08) * claims; figures *	1,10,15	
			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		21 February 2006	Moya, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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The members are as contained in the European Patent Office EDP file on  
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